

Amendments to the Specification:

Page 1, before the "Background of the Invention" insert:

Cross-Reference to Related Applications

This application is a divisional of co-pending, commonly assigned, United States Patent Application Serial No. 10/191,786, filed on July 8, 2001, which is claims priority to United States Provisional Application Serial No. 60/303,616, filed on July 6, 2001.

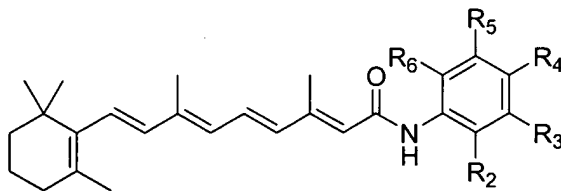
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1 – 4 (canceled)

Claim 5. (Original) An arylretinamide for inducing apoptosis in a cancer cell, said arylretinamide having Structure A, B, or C below:



Structure A

wherein

R₂ is H, OH, NO₂, CH₂ OH, a halide, or an alkyl comprising 1-4 carbon atoms,

R₃ is H, OH, NO₂, CO₂CH₃, CO₂CH₂CH₃, CO₂(CH₂)₂CH₃, CO₂(CH₂)₃CH₃, CO₂H, CH₂OH, a halide, or an alkyl comprising 1-4 carbon atoms;

R₄ is H, OH, OCH₃, OCH₂CH₃, O(CH₂)₂CH₃, O(CH₂)₃CH₃, SO₂CH₃, SO₂CH₂CH₃, SO₂(CH₂)₂CH₃, SO₂(CH₂)₃CH₃, NH₂, NHCOCH₃, NHCOCH₂CH₃, NHCO(CH₂)₂CH₃, NHCO(CH₂)₃CH₃, NHCOCF₃, N₃, NCS, a halide, an alkyl comprising 1-4 carbon atoms, or NHCOCH₂X, wherein X is a halide;

R₅ is H, NO₂, C(CH₃)₃, C(CH₂CH₃)₃, C((CH₂)₂CH₃)₃, C((CH₂)₃CH₃)₃, CO₂CH₃, CO₂CH₂CH₃, CO₂(CH₂)₂CH₃, CO₂(CH₂)₃CH₃, a halide, or an alkyl comprising 1-4 carbon atoms, and

R₆ is H, CO₂H, CO₂CH₃, CO₂CH₂CH₃, CO₂(CH₂)₂CH₃, CO₂(CH₂)₃CH₃, a halide or an alkyl comprising 1-4 carbon atoms;